

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 85-135  
NPDES NO. CA0038695

WASTE DISCHARGE REQUIREMENTS FOR:

K G Land California  
Island Park Lagoon  
Belmont, San Mateo County

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. K G Land California, hereinafter called the discharger, by application dated 8 July, 1985 has applied for waste discharge requirements under the National Pollutant Discharge Elimination System.
2. Island Park is a 67.5 acres commercial and residential development adjacent to Belmont Slough in Belmont. A 2.3 acres lagoon will be constructed to store stormwater runoff within the boundaries of the development during periods of high tide to prevent flooding on the site.
3. The discharger proposes to discharge approximately 1.5 mgd of lagoon water and surface drainage from the lagoon (Waste 001) to San Francisco Bay through Belmont Slough, both waters of the State. During dry weather the discharge would consist primarily of water from Belmont Slough that enters and exits the lagoon through a single inflow/outflow structure at the east corner of the lagoon. During wet weather, the discharge would also contain stormwater runoff from adjacent residential and commercial areas.
4. This discharge is not presently governed by Waste Discharge Requirements. The discharge is planned to commence by June, 1986.
5. The Regional Board adopted a revised Water Quality Control Plan for Belmont Slough and San Francisco Bay Region (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for San Francisco Bay and contiguous waters.
6. The beneficial uses of San Francisco Bay and contiguous water bodies are:
  - o Water contact recreation
  - o Non-contact water recreation
  - o Wildlife Habitat
  - o Preservation of Rare and Endangered Species
  - o Estuarine Habitat
  - o Fish migration and spawning
  - o Industrial service and process supply
  - o Shellfish harvesting

- o Navigation
- o Commercial and Sport Fishing

7. The beneficial uses of Island Park Lagoon are:

- o Non-contact water recreation
- o Wildlife Habitat
- o Estuarine Habitat
- o Fish migration and spawning
- o Sport Fishing

8. The Lagoon water has limited and controlled exchange with San Francisco Bay, and is therefore susceptible to unusually dense biological growth and resulting nuisance conditions. Its release into the Bay is a discharge of pollutants as defined in Section 502 of the Clean Water Act.
9. An acceptable Interim Lagoon Management Plan has been submitted and shall be maintained by the discharger for purposes of providing Lagoon and regulatory personnel with a source of information describing all equipment, facilities, and recommended operating strategies, process control monitoring, and maintenance activities necessary to assure consistent compliance and/or minimize non-compliance. Review of and improvement upon the operating strategies given in the Interim Plan may be necessary to optimize lagoon performance.
10. Applications of biocides, specifically herbicides, has not been proposed by the discharger in the Interim Lagoon Management Plan or elsewhere.
11. This Order serves as an NPDES Permit, issuance of which is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.
12. The discharger and interested agencies and persons have been notified of the Board's intent to issue requirements for the proposed discharges and have been provided with the opportunity for a public hearing and the opportunity to submit their written views and recommendations.
13. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the discharger in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Clean Water Act as amended and regulations and guidelines adopted thereunder shall comply with the following:

A. Discharge Prohibitions:

1. The discharge of any sewage or industrial waste to the Island Park Lagoon is prohibited. The prohibition does not apply to normal urban stormwater runoff.

2. The application of biocides is prohibited unless it has been demonstrated to the satisfaction of the Regional Board that a net environmental benefit results from their application. Should the use of biocides become necessary during development of the Final Lagoon Management Plan, written approval must be first obtained from the Executive Officer of the Regional Board.

B. Lagoon Water Limitations

1. The discharger shall maintain the following limits of quality:
  - a. Chlorophyll 'a' - less than 50 ug/L increase above the Belmont Slough concentration;
  - b. Dissolved oxygen - 5.0 mg/L, minimum;
  - c. The moving median value for the MPN of total coliform in any five (5) consecutive effluent samples shall not exceed 240 coliform organisms per 100 milliliters. Any single sample shall not exceed 1000 MPN/100 mL.
2. The discharger shall not cause the following conditions at any point in the lagoon:
  - a. Floating, suspended, or deposited macroscopic particulate matter, or foam;
  - b. Significant increase in apparent color beyond natural background levels in San Francisco Bay/Belmont Slough;
  - c. Aquatic growths in quantities sufficient to create a nuisance condition as defined in the California Water Code;
  - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;
  - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

C. Receiving Water Limitations: (San Francisco Bay/Belmont Slough)

1. The discharge of waste shall not cause the following conditions to exist in waters of the state at any place:
  - a. Floating, suspended, or deposited macroscopic particulate matter, or foam;

- b. Significant increase in apparent color and alteration of temperature and turbidity beyond present natural background levels in San Francisco Bay/Belmont Slough;
  - c. Aquatic growths in quantities sufficient to create a nuisance condition as defined in the California Water Code;
  - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;
  - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
2. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Clean Water Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Provisions:

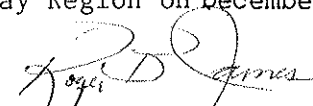
- 1. The discharger shall comply with all sections of this Order immediately upon adoption.
- 2. Pursuant to Finding 9, the discharger shall, according the following schedule:

<u>Task</u>	<u>Date</u>
Submit a draft Final Lagoon Management Plan to the Executive Officer by	1 November, 1988
Submit a Final Lagoon Management Plan which is responsive to the Executive Officer's comments on draft report by	1 February, 1989

The discharger shall submit to the Board, on or before each compliance report date, a report detailing his compliance or noncompliance with the specific schedule date and task. If noncompliance is being reported, the reasons for such noncompliance shall be stated, the efforts taken to meet compliance, plus an estimate of the date when the discharger will be in compliance. The discharger shall notify the Board by letter when he has returned to compliance with the time schedule.

3. The Interim Lagoon Management Plan, and following approval by the Executive Officer, the Final Lagoon Management Plan shall serve as the basis for lagoon operation and procedures set forth therein shall be followed provided that they are consistent with this Order.
4. The discharger shall review and update his Lagoon Management Plan annually, or in the event of significant facility or process changes, within three months after such changes have occurred. Annual revisions, or letters stating that no changes are needed shall be submitted to the Regional Board by April 15 of each year beginning 1990.
5. The discharger shall comply with the attached self-monitoring program as adopted by the Board and as may be amended by the Executive Officer.
6. The discharger shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions" dated April 1977 with the exception of Provisions A.5 and B.3.
7. This Order expires 18 December, 1990. The discharger must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.
8. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Clean Water Act or amendments thereto, and shall become effective 10 days after date of its adoption provided the Regional Administrator, Environmental Protection Agency, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on December 18, 1985.

  
ROGER B. JAMES  
Executive Officer

Attachments:

Standard Provisions & Reporting Requirements, April 1977  
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

K G LAND CALIFORNIA  
ISLAND PARK LAGOON  
BELMONT, SAN MATEO COUNTY

NPDES NO. CA0038695

ORDER NO. 85-135

CONSISTS OF

PART A (Dated 1/78)

AND

PART B

Adopted December 18, 1985

## PART B

### I. DESCRIPTION OF SAMPLING STATIONS

#### A. LAGOON WATER

<u>Station</u>	<u>Description</u>
LG-1	Lagoon headwall 10' from wall
LG-2	Lagoon West Bay 10' from wall
LG-3	Lagoon North Bay 10' from wall
LG-4	Lagoon Center

#### B. RECEIVING WATER

<u>Station</u>	<u>Description</u>
C-1	At a point in Belmont Slough, located approximately 25 feet east of the point at which waste 001 is discharged.
C-2-RN C-2-RS	At one point in the Belmont Slough, 200 feet either northerly or southerly from the lagoon structure and "upstream" from the lagoon structure depending upon tidal conditions (e.g. C-2-RN on flood and C-2-RS on ebb).

### II. SCHEDULE OF SAMPLING, MEASUREMENT, AND ANALYSIS

A. The schedule of sampling and analysis shall be that given as Table I.

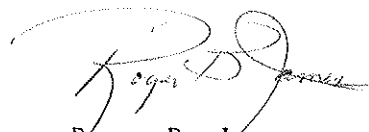
### III. MODIFICATION OF PART "A" DATED JANUARY 1978

- A. Does not include the following paragraphs of Part A:  
C.1, C.3, C.4, C.5.d, C.5.e, D.1, D.2.a, D.3.a, D.4, E, F.3.g.
- B. 1. Includes the following modification of paragraph F.3.c:  
Effluent data summary will be sent to the Regional Board only.
2. Self-monitoring reports shall be submitted quarterly, after discharge commences.

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution 73-16 in order to obtain data and document compliance with waste discharge requirements adopted in Regional Board Order No. 85-135.
2. Is effective 18 December, 1985.
3. May be reviewed at any time subsequent to the effective date upon

written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.



Roger B. James  
Executive Officer

Attachments

Table I

Map of Sampling Station Locations



TABLE I

## SCHEDULE OF SAMPLING, MEASUREMENTS, AND ANALYSIS

SELF-MONITORING PROGRAM - NPDES # 0038695

ORDER # 85-135

SAMPLING STATIONS	LG-1 <sup>(2)</sup>	LG-2 to LG-4 <sup>(1)</sup>	C <sup>(2)</sup>		
TYPE OF SAMPLE	G	G	G		
Flow Rate (mgd)	D				
BOD <sub>5</sub> (mg/l)	M				
Oil and Grease (mg/l)	M				
pH (units)	M <sup>(3)</sup>	M			
Chlorophyll 'a' (mg/l)	M <sup>(3)</sup>	M <sup>(3)</sup>	M		
Dissolved Oxygen (mg/l)	M <sup>(3)</sup>	M <sup>(3)</sup>			
Temperature ( C )	M	M			
Turbidity (Turbidity Units)	W	M	M		
Total Coliform (MPN/100 ml)	M <sup>(3)</sup>	M <sup>(3)</sup>	M		
All Applicable Standard Observations	W	M	M		
In-situ Fish Toxicity (% survival rate)	E <sup>(4)</sup>				

## FOOTNOTES:

- (1) Sample LG-2 and LG-3 on alternate surveys.
- (2) To be sampled while discharge from the lagoon is occurring.
- (3) Weekly from June through September.
- (4) During and following application of biocides.

LEGEND FOR TABLE

G = grab sample  
 C = receiving water stations  
 LG = lagoon stations

D = once each day  
 W = once each week  
 M = once each month  
 E = each occurrence

